



TWEMLOWS EMBRYO TRANSFER SCHOLARSHIPS

2014 has been a good year for Twemlows Stud. Our throughput of mares was up as was our number of foalings, embryo transfers and the transported embryo service are becoming ever more popular. Hopefully the recession is behind us and the demand for top quality sport horse youngstock is on the up.

Briarlands Matilda won our Burghley Horse Trials Three Day Event Scholarship. Owned by Guy Avis she is ridden by Izzy Taylor. This is the second time the mare has won the scholarship, previously winning in 2012 which has resulted in a filly foal by Jumbo.



Briarlands Matilda ridden by Izzy Taylor



Ashdale Luxara ridden by Anthony Condon

The Bolesworth International Showjumping Scholarship was won by Ashdale Luxara ridden by Anthony Condon; this mare did not have far to travel since she is owned by our neighbours, Henry & Edna Harding.

The 2013 British Showjumping Scholarship based on the highest placed UK domiciled mare in the 2013 year end listings was Lord & Lady Harris's Ursular X11 ridden by Scott Brash.

ICSI RESEARCH PROJECT

We started our intra-cytoplasmic sperm injection (ICSI) project in 2012 with the hope of offering ICSI and other "test tube" techniques to our clients with mares and stallions from which foals could not be produced by conventional methods.

These technologies, now commonplace in human medicine are still highly specialised and only available for horses in a handful of places worldwide. In partnership with the University of Liverpool Veterinary School and the Hewitt Fertility Centre at Liverpool Women's Hospital we have been working hard to establish these technologies over the last three years.

This year we are delighted to announce that the project has two foals due in 2015.

Our recipient mare, Pride, is carrying a foal that was produced by oocyte transfer. This is a technique that benefits mares which cannot become pregnant themselves, particularly ones that are failed embryo transfer donors. The technique works by removing the donor mare's egg and transferring it into the recipient's oviduct (fallopian tube), she is inseminated with the chosen semen and fertilisation occurs in the recipient mare and she carries the pregnancy to term.

Our recipient mare, Victoria, is carrying a foal that was produced from a dead mare's egg which was injected using the ICSI technique with a single sperm cell. The egg was allowed to grow into a blastocyst (Day 9 embryo) in one of our specialised incubators and then transferred to Victoria's uterus where it has been established ever since.

The arrival of this foal is particularly exciting as it gives us the option of producing foals from mares that have died suddenly and therefore preserving valuable genetics that would otherwise be lost.

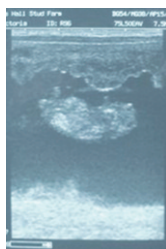


Pride & Victoria with Nikee Hudson (Stud Manager)

Both of these foals represent three years of hard work by our research team and we look forward to their arrival and hopefully creating many more in 2015.



Niamh Lewis searching for eggs



Victoria's 51 day pregnancy

STAFF PROFILE

Monica Morganti, DrVetMed Dipl ACT MRCVS, has been the Stud's resident veterinarian for three years and is looking forward to continuing with us next season. The embryo transfer and transported embryo transfer programme has been growing in success and popularity since she has been with us. Monica has increased stud courses available with Veterinary Gynaecology and Ultrasonography course days.

She is looking forward to the intern vet joining our team and supporting her next season.

When Monica is not working she enjoys going home to Italy. During the stud's busiest months Molly, Monica's rescue dog, makes sure she has a break from the stud taking her for long walks.



HIGHLIGHTS

Our third annual Open Day last April was a great success; over 20 stallions paraded & we raised more than £3000 from our silent auction for the Midlands Air Ambulance. **Next year's Open Day is on 25th April.**

The Transported Embryo Service is an ideal choice if you want to breed your mare but prefer to keep her close to home. Working with Twemlows Stud, your vet keeps us informed of your mare's progress so we are able to provide you with a well synchronised and suitable recipient mare.

We used a different technique of adoption for an orphaned foal. Monica prescribed a course of Domperidone for a barren mare to help stimulate milk production. The mare and foal soon became inseparable and with the support from the team the foal had a very successful upbringing.

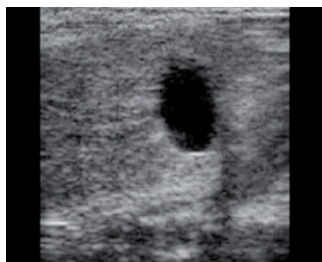
Stallion AI Services has achieved great success in harvesting and freezing semen from the stallions' epididymis following castration either due to terminal illness, trauma to the testes or in some cases as an elective procedure. Good pregnancy results are now been achieved using semen harvested in this way with the first foal being born in the summer of 2013.

Last year Richard Matson retired after 21 years as Vice Chairman from the National Equine Forum. Richard is now President of the Rare Breeds Survival Trust.

Next season we have an intern veterinary surgeon joining our team in April to support Monica with reproduction work and foal care.

2015 Courses

FOR FURTHER INFORMATION OR TO BOOK ON TO OUR COURSES EMAIL LIZWILKINSON@TWEMLOWS.CO.UK



AI TECHNICIAN TRAINING



- Anatomy of the Mare
- Semen Handling
- Artificial Insemination
- Record Keeping
- Care of the Mare Before & After Insemination
- Semen Production / Collection Assessment / Packaging

25th & 26th February • 11th & 12th March



FOALING THE MARE

- Preparation for Safe Foaling
- Normal Foaling
- Inducing the Mare
- Recognising problems early
- Complications
- New-born Foal Examination
- Examination of the Placenta
- The Orphan Foal and Adoption

21st March



FOAL & YEARLING MANAGEMENT

- Worming & Vaccinations
- Common Diseases
- Recognising at an early stage when something is wrong & what to do
- Foal Handling & Foot Care
- Practical Session – Examination of a Foal
- Weaning, Nutrition & OCD

22nd March



VETERINARY CPD Practical Equine Gynaecology

10th - 12th February

Two courses designed specifically for veterinary surgeons with an interest in **Equine Reproduction**.

VETERINARY CPD Equine Ultrasonography

3rd, 5th, 17th & 19th March



EMBRYO TRANSFER OPEN DAY

A day for owners and breeders interested in using embryo transfer. Demonstrations and lectures will be held during the day.

13th March



OPEN DAY

Twemlows Stud Farm & Stallion AI Services

25th April



STALLION AI SERVICES

Stallion AI Services Ltd

Fresh, Chilled & Frozen Semen Collections
Semen Assessment | Semen Storage & Distribution | Equipment Sales

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